

jla.com

Commercial washers with SMART technology

We'll take **care** of it .

JLA

Best of the best technology

From Ireland and the UK's leading laundry specialist

SMART WASH adds yet another layer of efficiency to JLA's already impressive commercial laundry portfolio, by bringing together the best of the best when it comes to clever features and innovative design.

Combining industrial-strength build quality with state-of-the-art digital intelligence, we have created a range of truly optimised, next generation machines. In this brochure you'll discover more about the technology that is setting a new benchmark for performance, efficiency and reliability.

Faster, stronger greener, smarter

In designing the SMART WASH range, we have pushed our machines – and ourselves – further than ever before.

By enhancing proven features that have served tens of thousands of our customers well in the past, and adding value with eco-friendly innovations, we can offer unbeatable efficiency, performance and reliability when it comes to commercial laundry.





What makes our SMART washers so smart?

SMART cycles

Our equipment thinks about what it's doing, so you don't have to. Unique absorption intelligence combines with a number of other best-in-class innovations to deliver optimum water, energy and detergent consumption on every cycle.



JLA Sense



Thermal Disinfection



Fabriflow



Auto-Dosing

OTEX

OTEX-Ready



Jetstream

SMART controls

The intuitive controls on JLA SMART machines are designed with simplicity in mind. With digital connectivity that allows you to customise and log your programmes easily for audits and inspections, our washers tick more boxes than ever before.



Simple-Start



Optimised Programmes



Customisable Programmes



USB Connectivity



Auto-Audit



Multi-Lingual

SMART engineering

As well-built as they are technically superior, SMART machines give you the reassurance of robust cabinets, hi-spec components and industrial-grade durability... along with the very latest engineering techniques to lighten your load.



Ergonomic Design



400 G-Force



180° Large Door Opening



Floor-To-Door



Waterfall Drum



Auto-Balance



REDUCES WATER USAGE

By up to

23%

Up to

32%

Savings

ON UTILITY COSTS

Built to last

MORE THAN 37,000 WASHES

Smart cycles

Jetstream

As the washer drum rotates, a stream of water is sprayed downwards from its specially designed paddles – much like the process used in dishwashers. This enhances water contact and rinse performance throughout the cycle, improving wash quality.



Thermal disinfection

Thermal disinfection is only effective if sufficient 'wet-out' is achieved - i.e., if the right amount of water is present for high temperatures to be sustained. SMART machines come with a clever feature called JLA Sense, which detects the absorbency of a given load before calculating optimum fill levels to help you meet HTM 01-04 requirements (See opposite for more on JLA Sense).



Fabriflow

We understand that there may be times when a certain load or process requires extra care, such as silk garments or red bag processing. Our FabriFlow feature allows you to achieve optimum efficiency while ensuring the best wash quality, by entering the exact weight of a load. Our SMART machines then calculate the detergent and time needed to wash the linen, saving you money by using only the water and electricity required for a specific task.



Auto-dosing

Our intelligent auto-dosing pumps allow you to be more economical with detergents, eliminating user error and guaranteeing the correct dose for the load is always used, preventing unnecessary waste. With no need to handle chemicals, it's also safer for staff.



OTEX-ready

All SMART WASH machines can be fitted with JLA's ground-breaking OTEX Ozone Disinfection system. This allows you to run cold-water cycles which save even more energy, while killing 99.999% of harmful bacteria such as MRSA, C.difficile, E.Coli and Norovirus. You can learn more about OTEX at www.jla.com/otex



Wash features

JLA sense

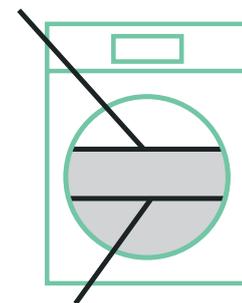
Many conventional machines force you to choose between cost savings and quality. JLA Sense, the 'brain' in every SMART WASH machine, calculates how much water is needed to get the best results. It then adjusts water and detergent levels to minimise waste – so there's no need to compromise.

Conventional washers

Conventional washers use a pre-determined amount of water and detergent, which for many washes is more than necessary.

EXAMPLE: when smaller loads or low absorbency materials such as polyester sheets are washed, the drum will still be filled as if it was full of highly absorbent cotton sheets.

Over-fill due to low absorption



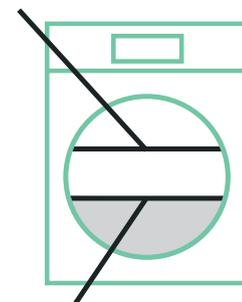
Actual water required

Automatic weighing systems

Weighing systems only calculate water and detergent consumption based on load weight alone. With no intelligence, the machines have no way of ensuring enough water is used.

EXAMPLE: bulky-yet-light duvets would not achieve full wet-out and would not be efficiently cleaned – or disinfected.

Actual water required



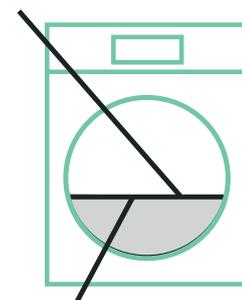
Under-fill due to high absorption

SMART wash innovation

JLA Sense detects precisely how much water is needed based on the absorbency rate of the load, so your wash will never be under-filled (no more sub-standard wash quality), or over-filled (no more unnecessary utility costs).

EXAMPLE: JLA Sense recognises that a duvet is light and highly absorbent, ensuring enough water is added to a wash for optimum cleaning – and full wet-out for total disinfection. In contrast, waterproof workwear is heavy and absorbs little, so SMART washers moderate water levels to prevent over-filling and cut utility costs.

Smart wash optimum fill



Actual water required

Smart controls

Simple-start

As the washer drum rotates, a stream of water is sprayed downwards from its specially designed paddles – much like the process used in dishwashers. This enhances water contact and rinse performance throughout the cycle, improving wash quality.



Optimised programmes

Thermal disinfection is only effective if sufficient 'wet-out' is achieved - i.e., if the right amount of water is present for high temperatures to be sustained. SMART machines come with a clever feature called JLA Sense, which detects the absorbency of a given load before calculating optimum fill levels to help you meet HTM 01-04 requirements (See opposite for more on JLA Sense).



Customisable programmes

We understand that there may be times when a certain load or process requires extra care, such as silk garments or red bag processing. Our FabriFlow feature allows you to achieve optimum efficiency while ensuring the best wash quality, by entering the exact weight of a load. Our SMART machines then calculate the detergent and time needed to wash the linen, saving you money by using only the water and electricity required for a specific task.



Multi-lingual

Our intelligent auto-dosing pumps allow you to be more economical with detergents, eliminating user error and guaranteeing the correct dose for the load is always used, preventing unnecessary waste. With no need to handle chemicals, it's also safer for staff.

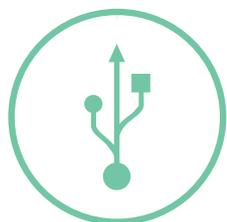
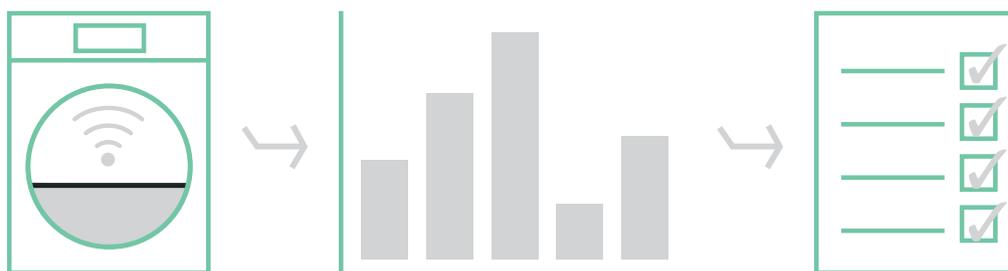


Digital capability



Auto-audit

Our cutting-edge washer management tool allows you to monitor and record all your machine's vital statistics (wash temperature and duration etc.). This accurate, automatic digital traceability will aid compliance with regulations such as HTM 01-04 and also demonstrate 'best practice' approach where HACCP, environmental health and other guidelines are concerned.



USB connectivity

SMART USB connectivity gives you full digital control over the key aspects of your washing machine programmes through a PC or laptop, and allows you to save data to simplify audit trails. You can also copy, edit and export tailored programmes if needs change, to future-proof your machine. Networking is available for enhanced performance and efficiency across additional SMART machines.

Smart engineering

Ergonomic design

An easy-grab door handle, with over-sized lock, makes our SMART machines simple to use. The mechanics of the opening system is also reinforced to prevent damage during continuous cycles.



400 G-Force

Next generation drum design and suspension enables 400 G-force during spinning, which leads to greater water extraction and reduced drying times.



180° large door opening

We have made the doors on our SMART WASH machines wider. This makes for hassle-free loading and takes unnecessary strain away from laundry staff.



Floor-to-door

In addition to larger doors on most SMART machines, we have lowered the opening to make loading and unloading easier than ever.



Waterfall drum

Perforations in SMART drums are larger and smoother than those generally used in conventional machines. This stops linen clinging to inside of the machine, allows greater G-force for faster cycles and optimises water flow for better results. And because the holes in the drum are designed to speed up water extraction and reduce residual humidity, drying times are greatly reduced.



Auto balance

SMART machines protect themselves against damage caused by spinning out of balance. If the drum feels itself moving out of sync with the machine itself, dynamic suspension and built-in load sensors pick up on the problem, and slow down the drum to re-align the spin and regain stability. As a result, full spin speed is achieved on every cycle.



Production process

Digital clinch manufacturing

Precision lies at the heart of every SMART machine, starting with the way we make them. A cutting-edge, automated clinch manufacturing technique enables us to produce the same exceptional craftsmanship on every single SMART washer we build. The process, used in high-end automotive and aerospace applications, achieves the perfect balance by galvanising lightweight materials for heavyweight durability. This in turn leads to faster cycles through higher G-force capability, while maintaining industrial strength performance and unbeatable lifespan JLA is renowned for.

Cutting-edge construction

In developing SMART WASH, we drew on customer feedback and industry insight. It became clear that concave drum pressing (for efficient drainage and gentle wash action), low-and-large doors (for easy loading) and stainless steel construction (for heavyweight durability) should shape our thinking.

Life and load simulation

During development, we pushed our machines to breaking point in our endeavours to make sure everything worked as our SMART thinking intended. By testing and re-testing, we can now be fully confident that every single SMART machine we make will take the strain of heavy commercial use.

Field testing

Before full production, our equipment is taken to sites for real-life testing, to further ensure that you benefit from exceptional wash quality as well as long-term reliability and efficiency, and give you the best of the best in every cycle.



Free-standing, high speed spin 7.5 - 28kg

Ideal for: washing large loads multiple times a day, killing bacteria and viruses in line with HTM 01-04 regulations and keeping running costs to a minimum.

Designed for on-premise laundries that need to control costs, prevent cross-contamination and ensure optimum wash quality on a daily basis, these SMART Washers combine built-in intelligence with next generation engineering.



Features and benefits:

- JLA Sense absorption technology – utility savings of up to 32%
- Two-touch start – simply select programme and press start to begin
- Clinch manufactured machine for durability and heavy-duty performance
- Heavy-duty door lock and handle
- Low-and-large door opening – for easy loading and unloading of bulky items
- 'Waterfall' drum perforation – for optimal drainage and gentle washing of delicates
- Universal wash symbols – easily understandable
- Clear wash cycle display – showing time and temperature
- Jetstream feature for additional power during rinse phases
- Fabriflow for extra care on delicates or unique processes such as red bag laundry
- Thermal disinfection cycles and sluice programmes
- Auto-balance for self-realignment if drum becomes 'out of sync' during wash cycle
- Auto-audit and USB functionality – view and retrieve wash data for auditing purposes
- Detergent auto-dosing – for convenience, stock control and to eliminate user error

Options:

- Networking capabilities – ideal for controlling equipment in multiple laundries
- Available in coin-op. Extra large integrated coin boxes reduce the need to empty as frequently. Full auditing of cycle counts and monies received keeps you in control, while 'time of day' pricing modifier will maximise revenue.

TECHNICAL DATA

	JLA 16	JLA22	JLA30	JLA40	JLA50	JLA65
Capacity kg/lb	7.5/16	10/22	13.5/30	18/40	24/50	28/65
Height mm (including feet)	1139	1249	1249	1434	1434	1434
Width mm	710	795	795	970	970	970
Depth mm	790	795	945	970	1105	1185
Weight kg/lb	185/408	210/463	255/563	380/838	430/948	495/1092
Drum Volume litres	75	105	135	180	980	915
Spin Speed rpm	1165	1075	1075	980	400	400
G-Force	400	400	400	400	546	686
Door Opening Diameter mm	330	410	410	460	460	460
Electrics						
4.6 kW 1ph	1ph/230V / 32A (std)	-	-	-	-	-
6 kW 3ph	3ph+N/ 400V/ 16A ph	1ph/230V / 32A	1ph/230V / 32A	-	-	-
9 kW 3ph	-	3ph+N/400V/ 20A ph (std)	3ph+N/400V/ 20A ph	-	-	-
12 kW 3ph	-	-	3ph+N ; 400V/32A ph (std)	3ph+N ; 400V/32A ph	-	-
18 kW 3ph	-	-	-	3ph+N ; 400V/40A ph (std)	3ph+N ; 400V/40A ph (std)	-
21.9 kW 3ph	-	-	-	-	-	3ph+N ; 400V/45A ph
Steam Heated/Boiler Fed	1ph/230V/ 16A	1ph/230V/ 16A	1ph/230V/ 16A	1ph/230V/ 16A	1ph ; 230V ; 20A	1ph/230V/ 20A
No of Water connections (hot/cold)	1/1	1/1	1/1	1/1	1/1	1/1
Water Connection Size BSP	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
Gravity Drain Connection Diameter inch/mm	3/76	3/76	3/76	3/76	3/76	3/76
(Optional) Steam Rating per cycle kg	1.33	1.4	2.1	5.48	7.67	6.55
(Optional) Steam Connection Size inch	1/2	1/2	1/2	1/2	1/2	1/2
Available in Coin-Op	Y	Y	Y	Y	N	N

Rigid mount 9 - 27kg

Ideal for: washing large loads multiple times a day, killing bacteria and viruses in line with HTM 01-04 regulations and keeping running costs to a minimum.

Designed for on-premise laundries that need to control costs, prevent cross-contamination and ensure optimum wash quality on a daily basis, these Smart Washers combine built-in intelligence with next generation engineering



Features and benefits:

- Rigid mount – for durability and heavy-duty performance
- Robust frame – longer lasting, more reliable washer extractors
- 9 programmes – providing enhanced user options
- Heavy-duty door lock and handle
- High water extraction – utility savings of up to 32%
- Two-touch start – simply select programme and press start to begin
- Inverter driven motors – quieter operation
- Customisable programmes – to suit your specific needs
- Leak detection – saves water by detecting slow or leaking fill valves and drains
- Large LCD cycle display – showing time elapsed and time remaining
- Large door opening – for easy loading and unloading of bulky items
- Thermal disinfection cycles and sluice programmes, with OTEX compatibility (special order)
- Monitoring functionality – to view and retrieve wash data for auditing purposes

Options:

- Detergent auto-dosing – for convenience, stock control and to eliminate user error (OPL only)
- JLA Rigid mount machines can now be down rated to 1ph options

TECHNICAL DATA

	JLA 16	JLA20	JLA30	JLA40	JLA50	JLA60
Capacity kg/lb	7.5/16	11/22	13.5/30	18/40	24/50	28/65
Height mm (including feet)	1115	1225	1225	1410	1410	1410
Width mm	660	750	750	890	890	890
Depth mm	785	785	900	915	1060	1135
Weight kg/lb	135/298	170/375	190/419	315/695	330/728	355/783
Drum Volume litres	75	105	135	180	240	280
Door Opening Diameter mm	530	620	620	750	750	750
Spin Speed rpm	820	760	760	690	690	690
G-Force	200	200	200	200	200	200
Door Opening Diameter mm	330	410	410	460	460	460
Electrics						
6 kW 1ph	3ph/415V / 16A ph	-	-	-	-	-
9 kW 3ph	-	3ph/415V / 20A ph	-	-	-	-
12 kW 3ph	-	-	3ph/415V / 32A ph	3ph/415V / 32A ph	-	-
18 kW 3ph	-	-	-	3ph/415V / 40A ph	3ph/415V / 40A ph	-
Sound Pressure Level dB (A)	49	49	50	50	50	50
Water Connection Size BSP	3/4	3/4	3/4	3/4	3/4	3/4
Water Inlet (hot/cold)	1/1	1/1	1/1	1/1	1/1	1/1
Gravity Drain Connection Diameter inch/mm	3/76	3/76	3/76	3/76	3/76	3/76
(Optional) Steam Rating per cycle kg	1.33	1.4	2.1	5.48	7.67	6.55
Steam Pressure kPa	100-800	100-800	100-800	100-800	100-800	100-800
Available in Coin-Op	Y	Y	Y	Y	y	y

Coin-op 9 - 27kg

Extra large integrated coin boxes reduce the need to empty as frequently.

Full auditing of cycle counts and monies received keeps you in control, while 'time of day' pricing modifier will maximise revenue.



TECHNICAL DATA

	JLA20	JLA30	JLA40	JLA60
Capacity kg/lb	9/20	13.5/30	18/40	27/60
Height mm (including feet)	1092	1143	1199	1267
Width mm	660	737	778	868
Depth mm	784	896	1073	1135
Weight kg/lb	152/335	209/460	249/548	315/693
Drum Volume litres	78.1	118	180	255
Door Opening Diameter mm	295	364	413	413
Spin Speed rpm	819	766	733	686
G-Force	200	200	200	200
Electrics				
Boiler Fed only	-	-	-	-
No of Water connections (hot/cold)	3ph/415V / 20A ph	-	-	-
Water Connection Size	-	3ph/415V / 32A ph	3ph/415V / 32A ph	-
Gravity Drain Size	-	-	3ph/415V / 40A ph	-





No upfront investment required on any JLA machine, **and no repair bills to pay... ever.**

Our big ideas don't stop in machine development. With our all-inclusive Total Care package, all machines are available for no upfront investment – and you'll never have to pay a repair bill again.

Our unique solution includes:

- Market-leading laundry equipment with no capital outlay
- Fully-inclusive breakdown cover with no wear and tear clause
- Guaranteed national engineer response within eight working hours - or we pay you €120
- Seven-day call-out service – including bank holidays
- 24/7 customer helpline
- No repair bills or call-out charges – ever

All for one **simple monthly payment.**



Why choose anyone else?

Get first-class machines, detergents, breakdown cover and 24/7 support from a single trusted provider.



Laundry

Choose from a wide range of high-performance and easy-to-use washing machines, tumble dryers, ironers and finishing equipment – all developed by Ireland and the UK's leading commercial laundry equipment and services provider.



Catering

To make life in the kitchen easier we have developed heavy-duty combi ovens, oven ranges, cooktops and fryers, energy-efficient refrigeration solutions, and robust dishwashers, glasswashers and utensil and pot washers.



Detergents

Get the best wash from every wash, and maximise the efficiency of your machines with JLA Clean bio and non-bio powders and liquids, fabric conditioners, destainers, emulsifiers, dishwashing detergents and rinse aids.



OTEX

Harness the power of ozone to disinfect your laundry and save energy. OTEX kills 99.999% of harmful bacteria including MRSA, C.difficile, E.Coli and Norovirus, while meeting CFPP01-04 guidelines with verification receipts.



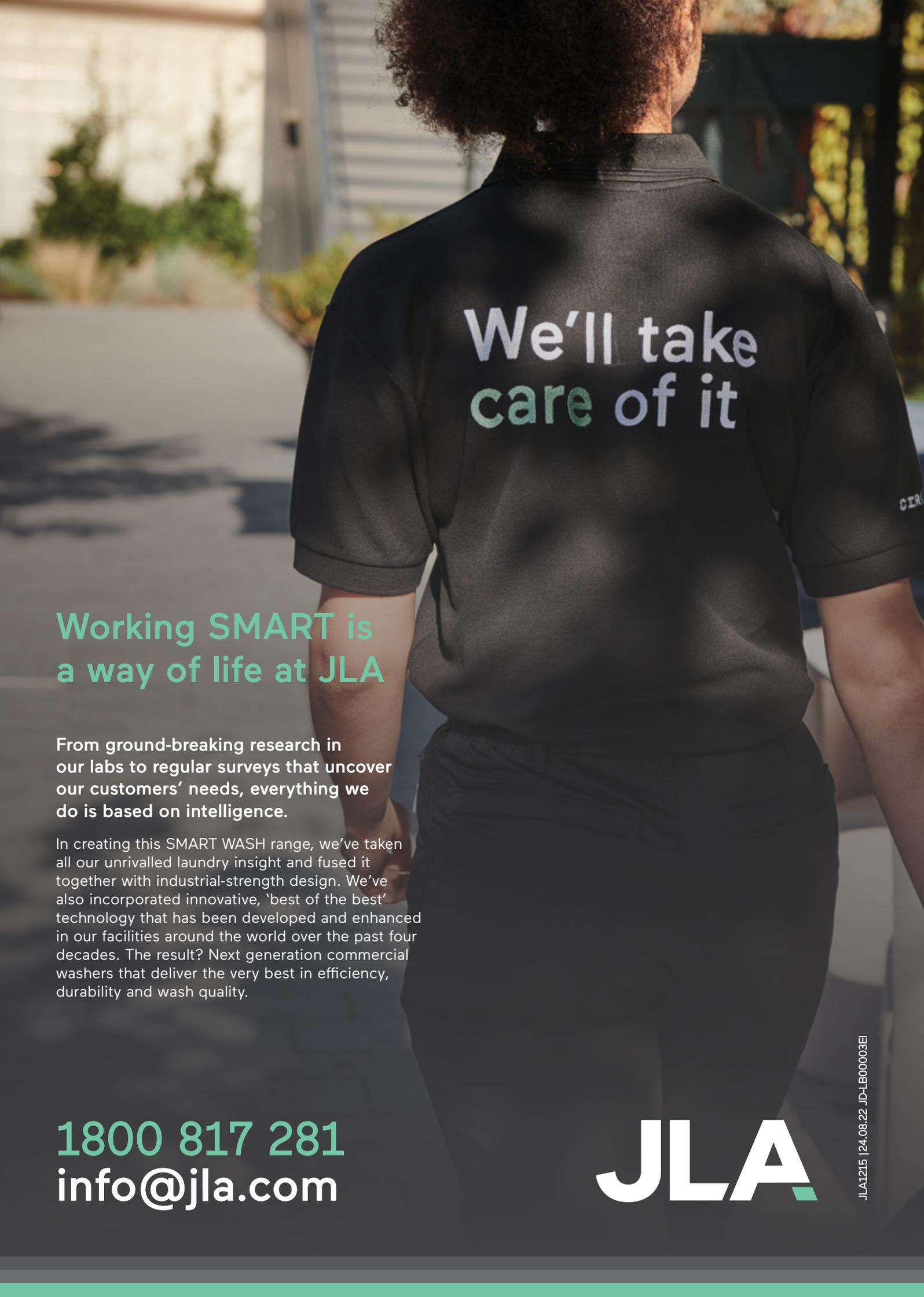
Medical

Benefit from enhanced infection control and complete reassurance, with hygienic utensil cleaning from our jet bedpan washers and hassle-free incontinence disposal from our Cyclone macerators.



Service

Our national service infrastructure gives you the benefit of unrivalled advice from expert consultants, support from our state-of-the-art contact centre and fast response from 270 specialist engineers – all backed up by over 40 years' experience as a market leader.



We'll take
care of it

Working SMART is a way of life at JLA

From ground-breaking research in our labs to regular surveys that uncover our customers' needs, everything we do is based on intelligence.

In creating this SMART WASH range, we've taken all our unrivalled laundry insight and fused it together with industrial-strength design. We've also incorporated innovative, 'best of the best' technology that has been developed and enhanced in our facilities around the world over the past four decades. The result? Next generation commercial washers that deliver the very best in efficiency, durability and wash quality.

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JLA